Climate Action Plan: Winter 2023 Update

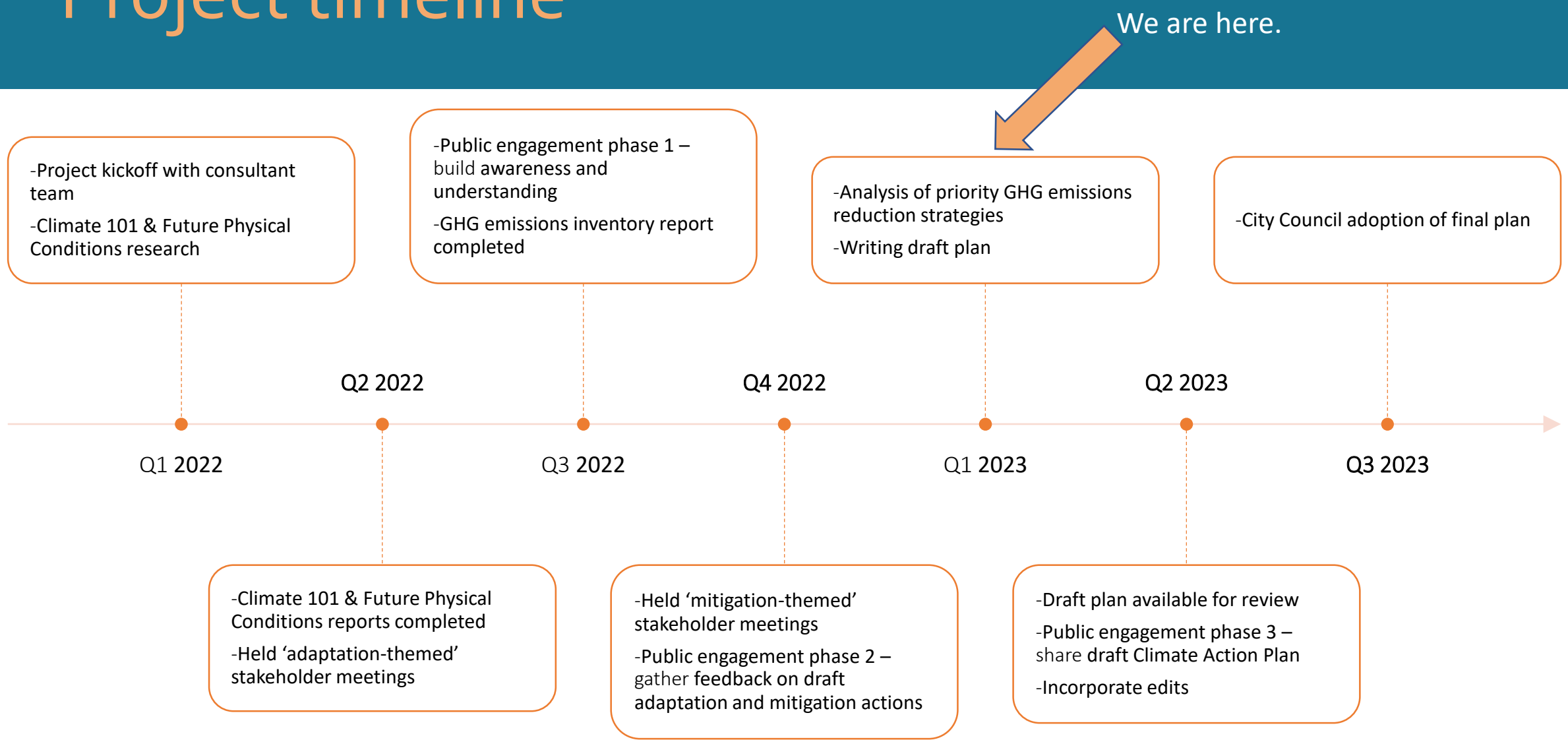
Tualatin City Council Meeting

January 23, 2023

Overview

- Project timeline
- Fall engagement summary
  - Public engagement
  - Stakeholder engagement
- Tualatin's emissions reduction goal
- Request for feedback: emissions reduction strategies
- Next steps

Project timeline



Phase 2 engagement summary

Public engagement opportunities

- **1 Online Open House** offered in Spanish and English with a total of 69 responses
- **3 in-person workshops** with a total of 45 participants. Spanish interpretation was available at all workshops
- **2 in-person tabling events** with approximately 165 people engaged
- **4 Latino Business Network meetings** attended where information about the workshops and online open house was shared

Promotion of public engagement opportunities

PRINT
- Postcards
- Flyers
- A-frame signs in parks

PHONE CALLS
- To Spanish-speaking community members

DIGITAL
- Social media
- Emails
- Project website

IN PERSON
- Chamber of Commerce networking event
- Latino Business Network meetings
- Tabling
- Earthwise Crew presentation

Public engagement - key themes

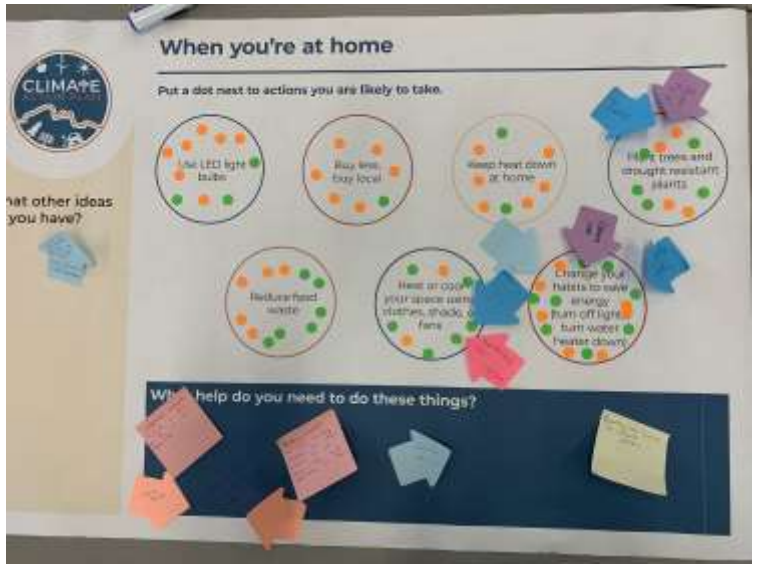
Interest in reducing their greenhouse gas emissions and a **desire for the City to do more** to address climate change

Desire for the City to provide more information related to how residents and businesses can reduce their emissions and prepare for extreme weather events

Interest in financial help or incentives to off-set the costs of reducing their greenhouse gas emissions and adapting to climate change

Top mitigation actions

When you are at home or at work

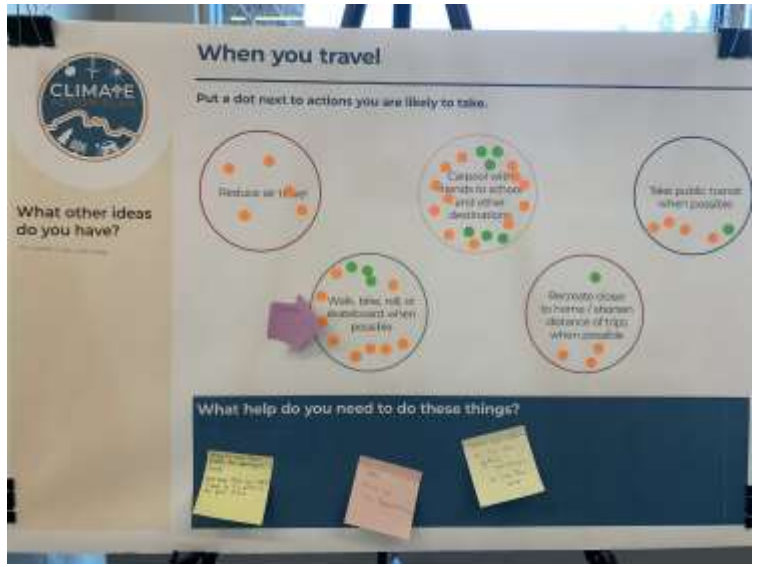


- Use LED lightbulbs
- Change habits to save energy
- Buy more energy efficient appliances
- Plant trees and drought-resistant plants
- Install solar panels or heat pumps

When you buy things

- Recycle
- Eat more plants
- Buy fewer new things
- Repair broken items
- Buy local items
- Buy durable items

When you travel



- Carpool, walk, bike, or roll when possible
- Mixed feedback on public transit
- Remote work to reduce travel
- Purchase an electric vehicle

Adaptation - top concerns

Across all 4 extreme weather scenarios, participants reported feeling the most concerned about:

- Needing to stay home (indoors) or not being able to get to work or school
- The potential loss of income due to extreme weather events
- Feelings of isolation and depression
- Loss of electricity

Mitigation-themed stakeholder engagement

4 workshops:

1. Buildings + energy use
2. Urban form + land use
3. Transportation – modes and fuel switching
4. Consumption – food + goods

Participants

Utilities

PGE

REPUBLIC SERVICES

NW Natural

Local agencies

WASHINGTON COUNTY OREGON

State agencies

OREGON DEPARTMENT OF ENERGY

DEQ

OREGON DEPARTMENT OF TRANSPORTATION

Private companies

Campbell's

BRIDGEPORT VILLAGE

Non-profits

THE STREET TRUST

EnergyTrust of Oregon

Ride CONNECTION

Mitigation workshops – key takeaways

The City can help with **identifying information gaps**, **educating the public**, and **amplifying existing programming** to address GHG emissions mitigation.

There is a strong need for **relationship-building** to **enhance partnerships**, **increase trust**, and **improve coordination** between stakeholders.

A **one-size-fits-all approach will not work**; GHG emissions reduction strategies and actions must be **tailored to the appropriate audiences** and implementers with **consideration for equity** embedded throughout.

Policy changes are needed to achieve GHG emissions reduction goals.

Tualatin's emissions reduction goal:
Net zero by 2050

Why net zero by 2050?

This goal was selected by the steering committee for a few reasons:

- This target is the **goal of the 2015 Paris Climate Agreement**
- As a member of the Climate Mayors group, **Mayor Bubenik signed a letter**, alongside 465 other mayors from across the U.S., **in support of upholding the Paris Climate Agreement target**
- This target **most commonly adopted by other cities** who have completed climate action plans
- If achieved, this target **prevents us from going over a planetary "tipping point" of no return** (1.5 degrees Celsius), which will dramatically increase the impacts of climate change

Emissions reduction strategies

Emissions reduction strategies to be analyzed

Buildings + energy use

- Energy Efficiency and Conservation
- 100% greenhouse gas-free electricity supply
- 100% renewable natural gas / clean hydrogen supply
- Electrification of space and water heating for *new* buildings
- Electrification of space and water heating for *existing* buildings
- Voluntary Purchase of Verified Carbon Offsets (such as Northwest Natural's SmartEnergy program)

Urban form + land use

- Dense future development resulting in reduced future vehicle miles traveled (VMT)
- Urban/community forestry & carbon sequestration

Transportation – modes + fuel switching

- Electric vehicles or another low-GHG fossil gasoline substitute
- Biodiesel, renewable, electric, or another low-GHG fossil diesel substitute
- Active transportation to reduce car miles and fossil fuel (gasoline) use
- Transit transportation to reduce car miles and fossil fuel (gasoline) use

Consumption – food + goods

- Landfill diversion of organic materials (composting)
- Avoided edible food waste
- Road materials management

Next steps


Analyze
Write
Gather feedback (spring 2023)
Incorporate feedback
Plan adoption (Q3 2023)

Discussion

With the goal of *net zero by 2050* in mind,

1. What are your reactions to the strategies needed to achieve the goal?

2. What strategies catch your interest and why?

3. Which strategies do you feel will be the most challenging to implement?